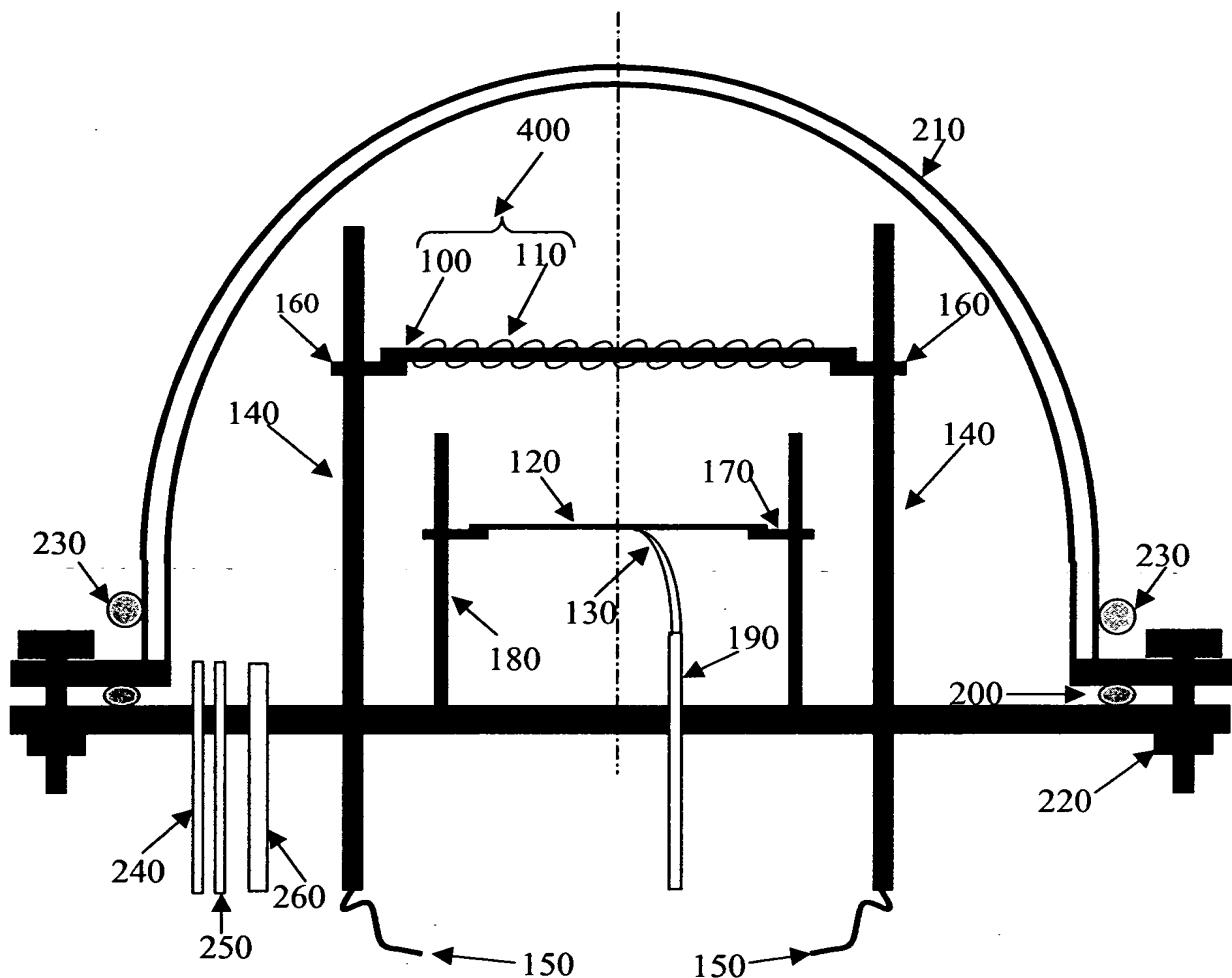


## Figures



**Figure 1. Side illustration of the CVT apparatus for low-temperature and low-pressure deposition of diamond coatings**

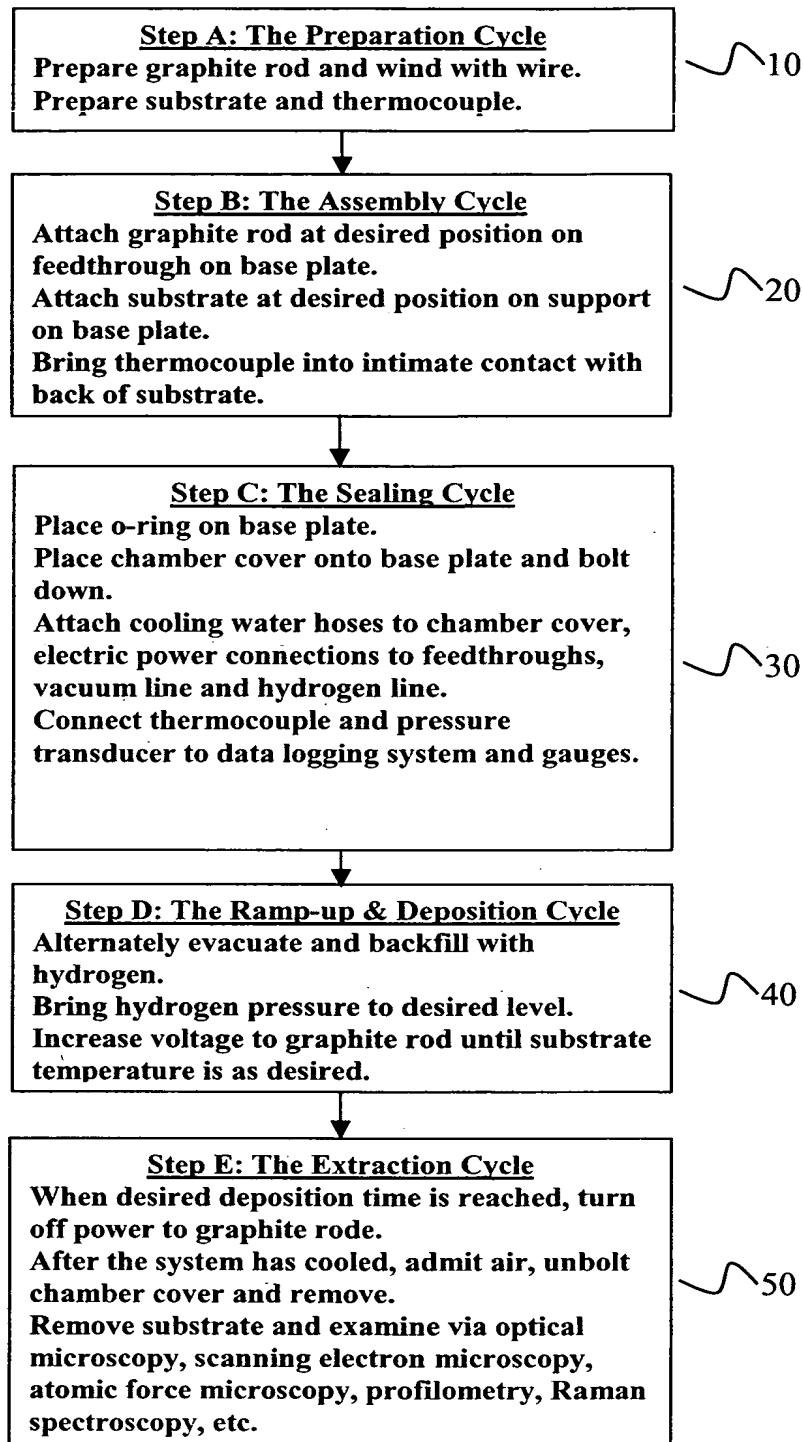
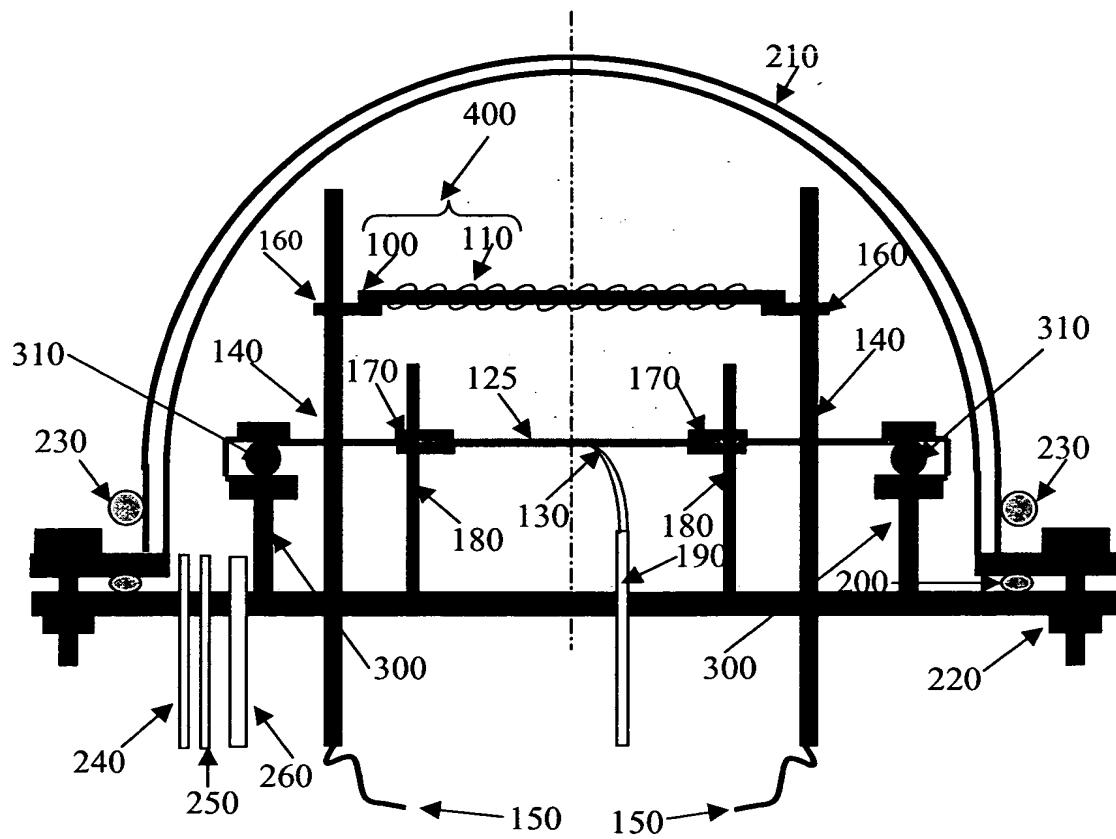
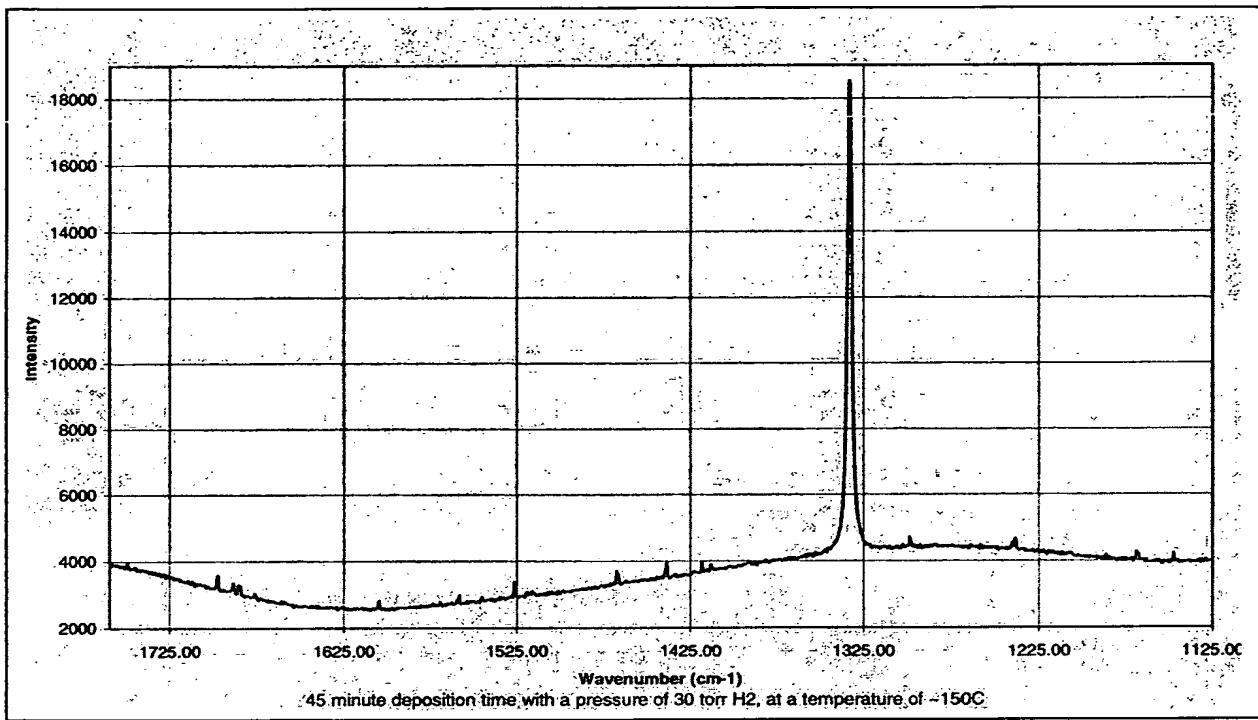


Figure 2. flow chart showing the manufacturing steps of CVT process



**Figure 3. Side illustration of the roll-to-roll CVT apparatus for low-pressure deposition of diamond coatings**



**Figure 4: Characterization of Diamond Coatings by Raman Spectroscopy indicating the presence of a diamond with well-defined single sharp peak at  $1332\text{ cm}^{-1}$**